3/29/01 DRAFT Authors Work Subject to Change Without Notification

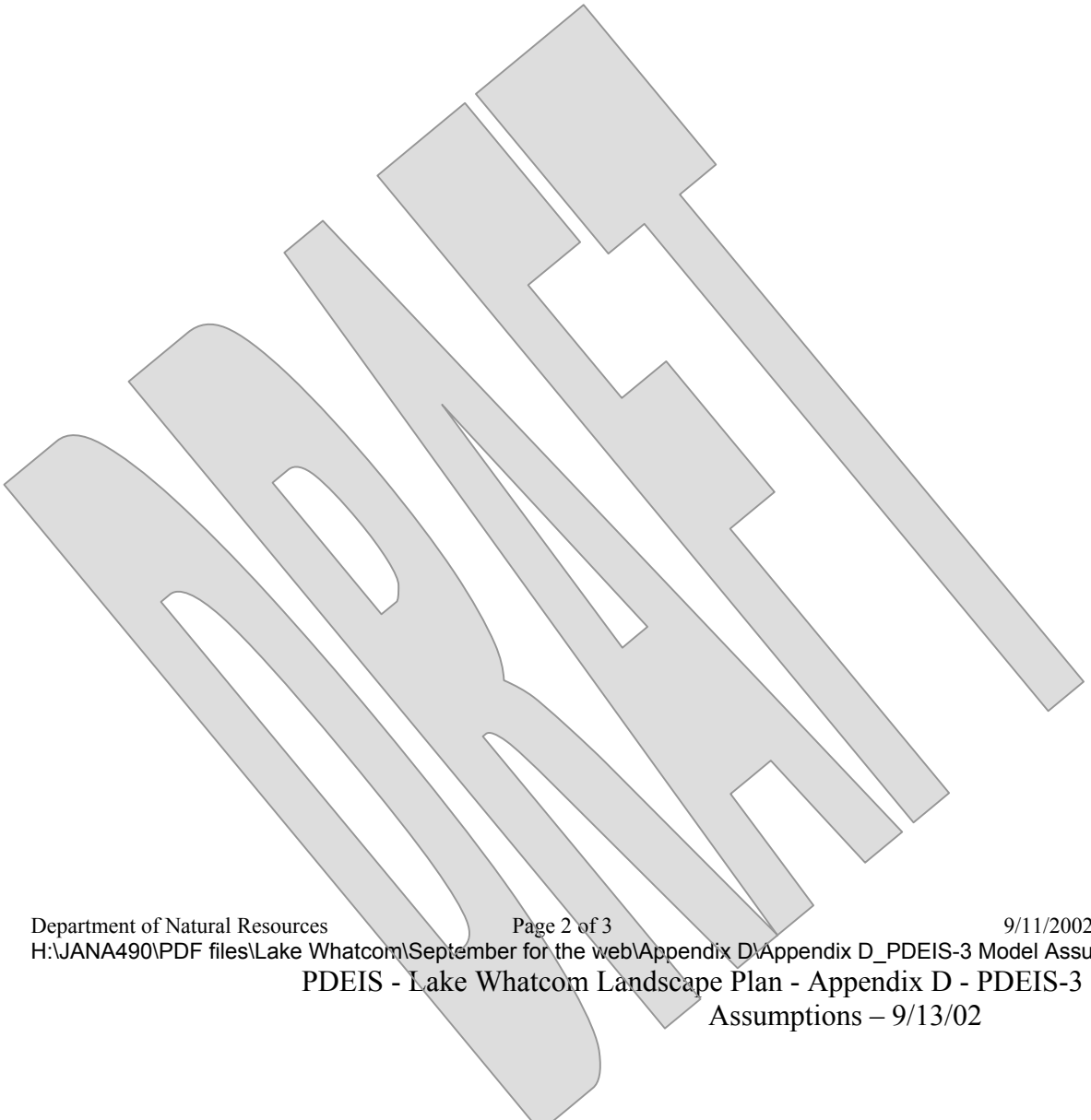
Comparison of 02/02 SH Model Runs versus
03/03 Re-analysis of Scenarios B & C (note: there are no changes in Tier 1,3 or Scenario A)
Summary of Lake Whatcom Landscape Plan Modeling Scenario Analyses: Preliminary Draft Results, March 29, 2002

Description	Tier 1 *(No change)*	Tier 3 *(No change)*	Scenario A *(No change)*	Scenario B 02/02	Scenario B 03/02	Scen. B Difference March - February	Scenario C 02/02	Scenario C 03/02	Scen. C Difference March - February
Draft Average Annual Harvest level per decade in Lake Whatcom Landscape (mbf/year)	**11,269**	**5,511**	**2,733**	**1,179**	**492**	*-687*	775	**428**	*-347*
Difference from Tier 3 (mbf)	**5,758**	**0**	**-2,778**	**-4,332**	**-5,019**	-	-4,736	**-5,083**	-
% Difference from Tier 3	**104%**	**0%**	**-50%**	**-79%**	**-91%**	-	-86%	**-92%**	-
Draft Average Harvest Volume (mbf/acre)	**44**	**37**	**30**	**22**	**9**	*-13*	21	**16**	*-5*
Draft average annual acreage for all harvests types[1]	**255**	**148**	**91**	**53**	**29**	*-24*	37	**26**	*-11*
Draft average annual acreage treated as regeneration harvests	**195**	**89**	**43**	**13**	**0**	*-13*	8	**0**	*-8*
Draft average annual acreage treated as thinning harvests	**57**	**47**	**35**	**29**	**18**	*-11*	19	**16**	*-3*
Draft average annual acreage treated as partial cut harvests	**3**	**11**	**13**	**10**	**11**	*+1*	9	**9**	*0*

Notes:
1. Scenario analysis corresponds to a suite of assumptions that are subject to changes without notification.
2. Planning period was modeled over 200 year period

[1] The total acreage may not be added up because of rounding off during calculations.

3. All results are preliminary and draft in nature. Differences should be viewed as relative. Field review and feasibility of implementation have not been assessed.
4. Economic and conservation benefit analysis forth coming



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Draft Summary: Comparison of Major Modeling Assumptions

Description	Tier 1	Tier 3	Scenario A	Scenario B	Scenario C
Brief descriptions and Key differences in assumptions form Tier 3	Scenario models biological capacity with fundamental modeling assumptions. Purposes: o Estimating forest capacity o Meeting selected baseline policies Key Assumptions: 1) Board adopted Forest Resource Plan (1992) baseline policies regarding ownership groups, even-flow, harvest targets, harvest age (average rotation age 60 yrs), roads, NAP/NRCA, and management regimes 2) Best available inventory, GIS, and growth & yield information	Scenario models meeting Trust mandate, Federal and State laws, Forest Resource Plan policies, Habitat Conservation Plan strategies and other Board of Natural Resources approved policies and WADNR forest management guides Purposes: o Estimating forest capacity o Meeting FRP, HCP & Legal requirements Key assumptions: 1) As Tier 1 2) Riparian, wind buffers and management within buffers determined by 1997 HCP 3) Unstable slopes management are directed by Forest Practices Rules and HCP 4) Habitat rules determined by HCP	1) As Tier 1 & 3, plus 2) 10 meter buffer on all type 5 streams, 10% of area available for openings every 30 years 3) Inaccessible areas 100% deferred from harvest 4) Potential unstable slopes, 10% of area available for openings every 30 years	1) As Tier 1 & 3, plus 2) 150 feet buffer on all type 5 streams, 10% of area available for openings every 30 years 3) Mass wasting areas, 100% deferred 4) 140 ft buffer on mass wasting areas (ARS 1,2 3 and 4) – 20% area available on outer 50 ft every 30 yrs. 5) Inaccessible areas 100% deferred from harvest 6) Potential unstable slopes: 51% volume retained on all acres; partial cuts only; partial cutting frequency: at least 30 years between partial cut harvests. 7) Increased riparian buffers (Type 3 200 ft, Type 4 150 ft), 8) Wind buffer = 140 ft on one side of streams, 20% available every 30 yrs on outer 50ft. 9) Wetland buffers by SPTH 200 yrs – 20% available every 30 year in outer 50 % 10) Maintain at least 50% of each sub-basin above 60 years of age 11) Unmapped concerns (e.g. cultural resources and other fall-downs) - 13% not available every 30 years at the stand level 12) 140 year rotation	1) As Tier 1 & 3, plus 2) 150 feet buffer on all type 5 streams, 10% of area available for openings every 30 years 3) Mass wasting areas, 100% deferred 4) 200 ft buffer on mass wasting areas (ARS 1,2 3 and – 100% deferred 5) Inaccessible areas -100% deferred from harvest 6) Potential unstable slopes – 100% deferred 7) Increased riparian buffers (Type 3 250 ft, Type 4 250 ft) 8) Wind buffer = 140 ft on both sides of streams – 10% of area available for openings every 30 years. 9) Wetland buffers by SPTH 200 yrs – No harvest in inner buffer; 10% openings every 30 years in outer buffer. 10) Maintain at least 70% of each sub-basin above 60 years of age 11) Unmapped concerns (e.g. cultural resources and other fall-downs) - 11% not available every 30 years at the stand level 12) 200 year rotation